

## 5 ABSTRACT

Media router for coding not only a digital TV broadcasting but also an analog broadcasting into MPEG-2 TS, and storing in a storage medium, including a media routing control part for giving a fixed unit of time stamp, a TS packet number, to every TS packet of a TS (Transport Stream) of a digital broadcasting or an analog broadcasting signal, and extracting index information from the TS having the time stamp added thereto, a storage part for receiving the TS having the time stamp added thereto and the index information from the media routing control part and storing therein, and a decoding part for receiving, decoding, and displaying the received broadcasting signal or a signal reproduced through the storage medium and the media routing control part, thereby permitting a trick reproduction at a desired multiple rate, like a VCR, and simultaneous recording and reproduction. Moreover, the time stamp given to every TS packet in the storage in the storage medium for supporting the trick mode reproduction simplifies a hardware system.